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TOTAL SHEETS - 46



DESIGN DESIGNATION

A.D.T. 1989	• 20,150
A.D.T. 2009	• 25,900
D.M.V.	•
D.	• 60-40
T.	• 17 %
V.	• 65 M.P.H.

CONVENTIONAL SIGNS

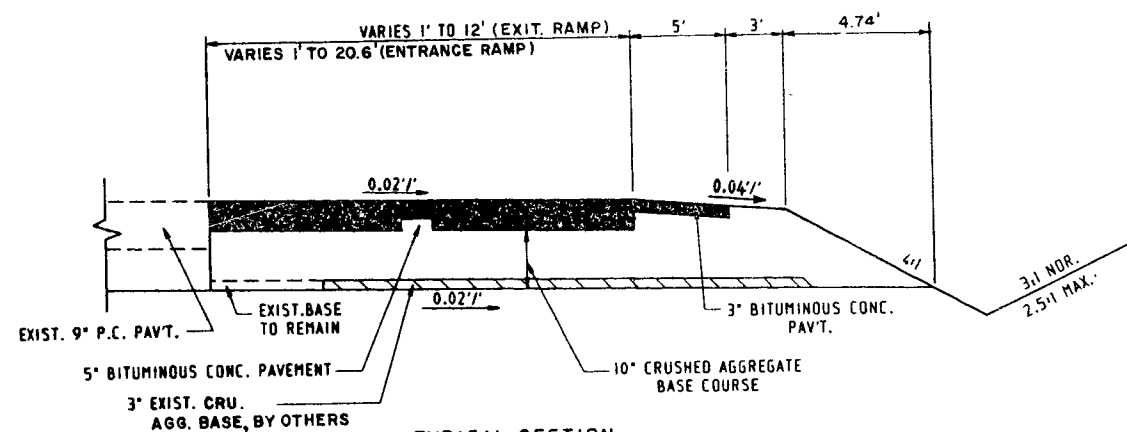
COUNTY LINE	---
CORPORATE LIMITS	----
PROPERTY LINE	-----
LOT LINE	-----
LIMITED HIGHWAY EASEMENT	-----
EXISTING RIGHT OF WAY	-----
NEW RIGHT OF WAY	-----
REFERENCE LINE	-----
SLOPE INTERCEPT	-----
ORIGINAL GROUND	-----
MARSH OR ROCK PROFILE	-----
CULVERT IN PLACE	-----
CULVERT REQUIRED	-----
CULVERT REQUIRED (Profile)	-----

COMBUSTIBLE FLUIDS (UNDER PRESSURE)	---
UNDERGROUND UTILITIES GAS	---
ELECTRIC	---
TELEPHONE	---
SERVICE PEDESTAL	---
CABLE MARKER	---
POWER POLE	---
TELEPHONE POLE	---
RAILROADS	---
MARSH	---
WOODED AREA	---
TREE	---
LIGHT	---

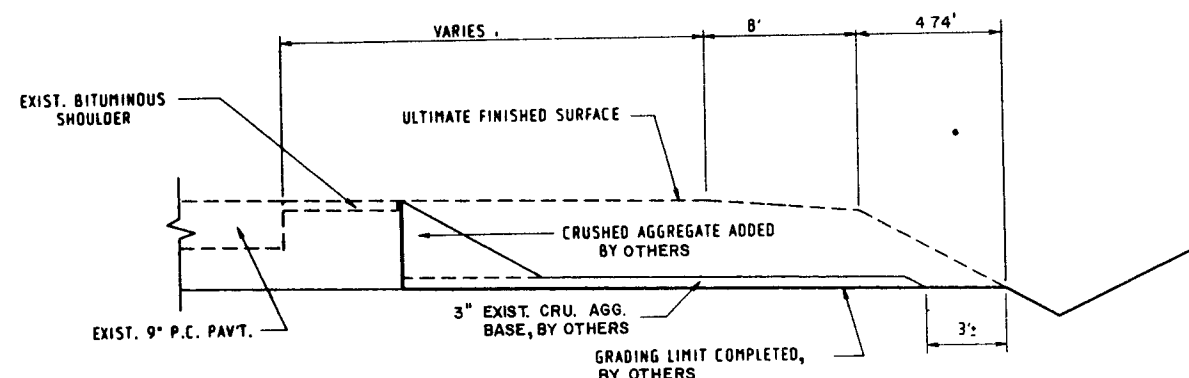
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EAST COUNTY LINE - LOMIRA RD.

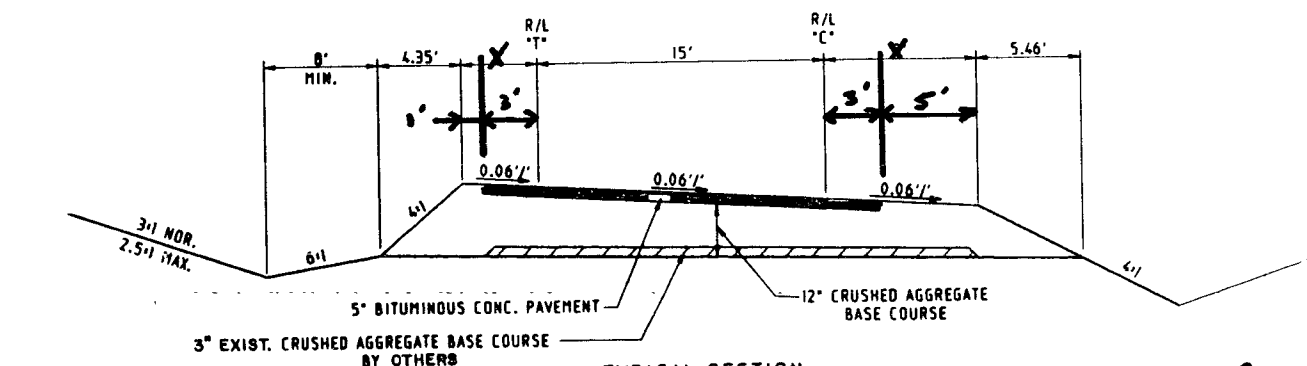


TYPICAL SECTION
 N.B. EXIT RAMP STA. 1258+45 TO STA. 1266+10.11
 N.B. ENTRANCE RAMP STA. 1276+96 TO STA. 1288+55



EXISTING TYPICAL SECTION

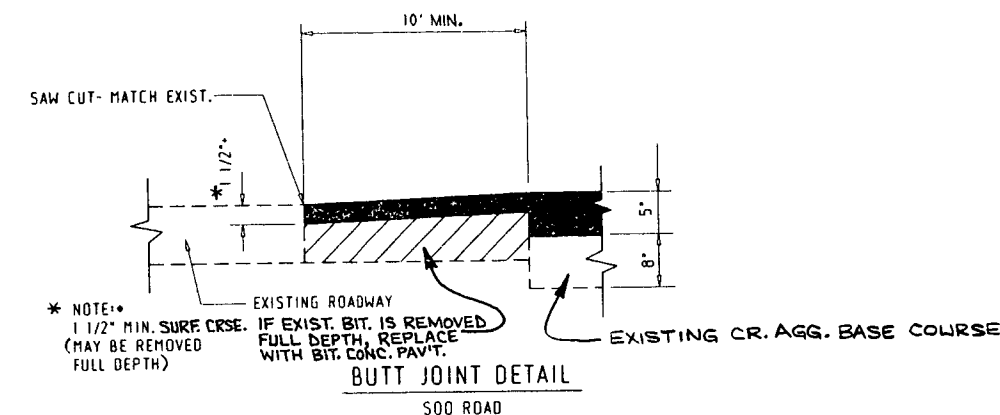
N.B. EXIT RAMP
 N.B. ENTRANCE RAMP
 NOTE: 1. REMOVE EXISTING BITUMINOUS SHOULDER
 2. SALVAGE EXISTING BASE COURSE UNDER SHOULDER AND WEDGE ADDED BY OTHERS BY GRADING EVENLY OVER EXISTING BASE COURSE. (COST INCLUDED UNDER THE ITEM OF "CRUSHED AGG. BASE COURSE".)



NOTE: 1. TRANSITION FROM 0.02 1/2% TO 0.06 1/2% FROM STA. 66+C+10.11 TO STA. 67+C+05
 2. TRANSITION TO 0.04 1/2% OPPOSITE CROSS-SLOPE FROM STA. 72+C+76 TO STA. 74+C+25

TYPICAL SECTION
 STA. 67+C+05 TO STA. 72+C+75

*revision typical of
 68'C'+00 & 77'C'+00
 77'7'+00 - 81'7'+00*



GENERAL NOTES

NO TREES AND/OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

CURB AND GUTTER JOINT SPACING SHALL BE 15 FEET UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER IN THE FIELD.

CONTRACTOR: NORTHEAST ASPHALT, INC.
PAVING

START CONST: August 22, 1989

SUB
CONTRACTORS:

BARRICADE FLASHER
TRAFFIC CONTROL

END CONST: Nov. 30, 1989

TRAFFIC SIGNING & MARKING, INC.
PAV'T MARKING

MICHELS PIPELINE CONST., INC.
CRUSHED AGG. BASE COARSE

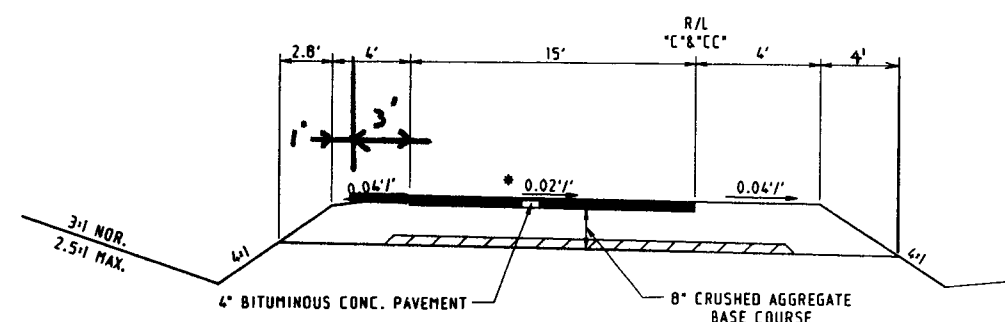
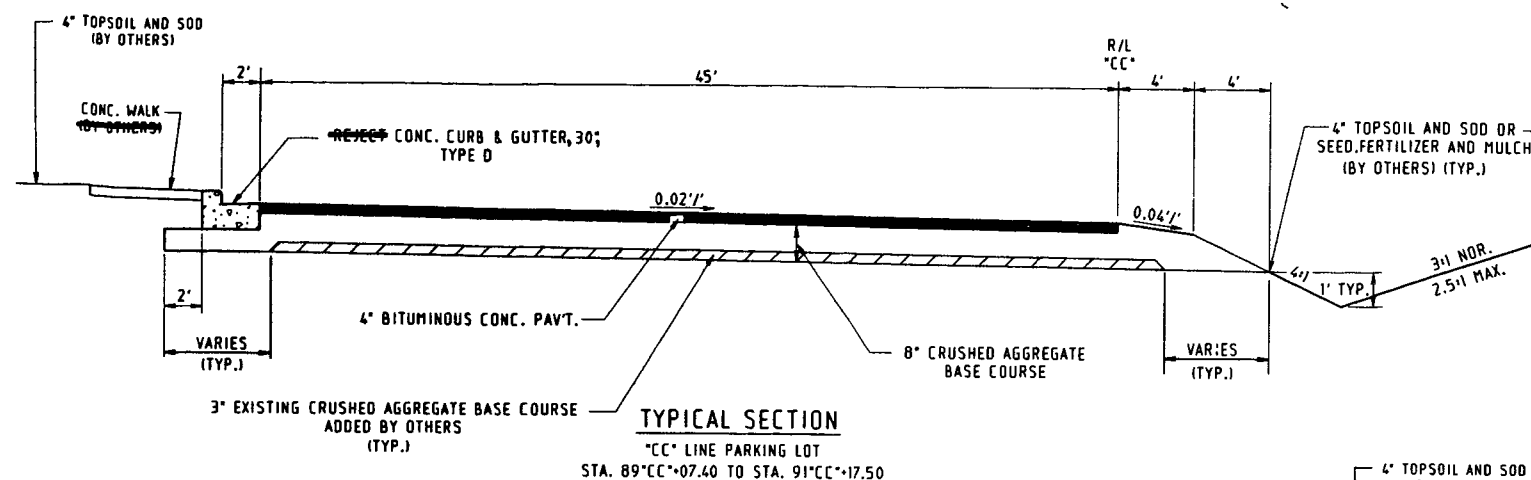
SOMMERS CONST., INC.
CONC. CURB & GUTTER; CONC. WALK

TOM KUEHNE LANDSCAPE
PERMANENT SIGNING

PROJECT ENGINEER
DAVID E ANHALT

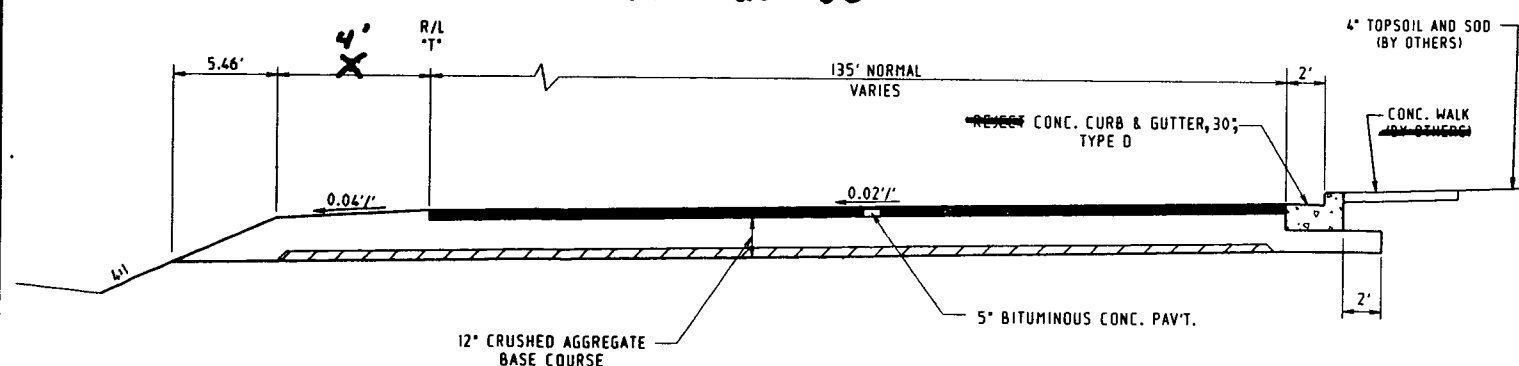
PROJECT PERSONNEL
SEE PROJECT DIARY

STATE PROJECT NUMBER	SHEET NO.
0014-97-10	2.1
TYPICAL SECTIONS	

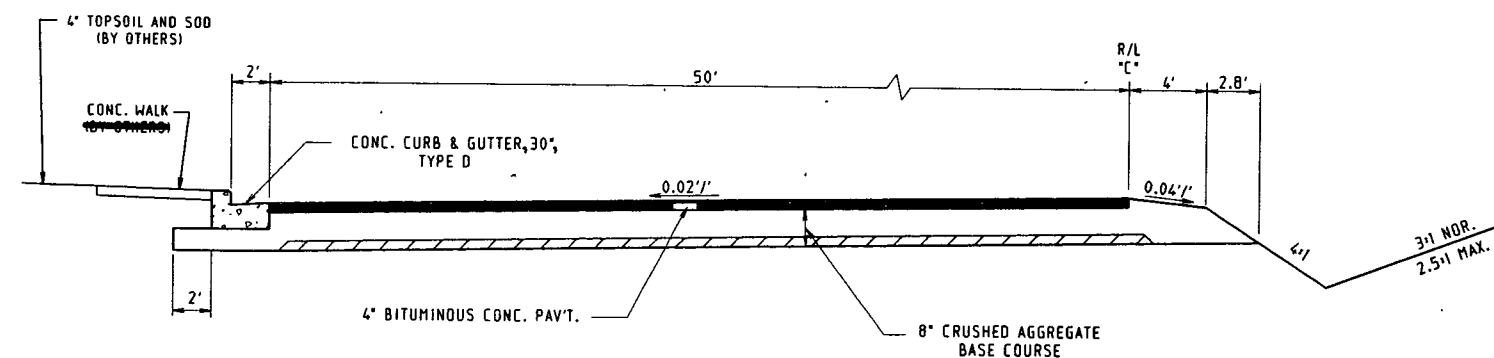


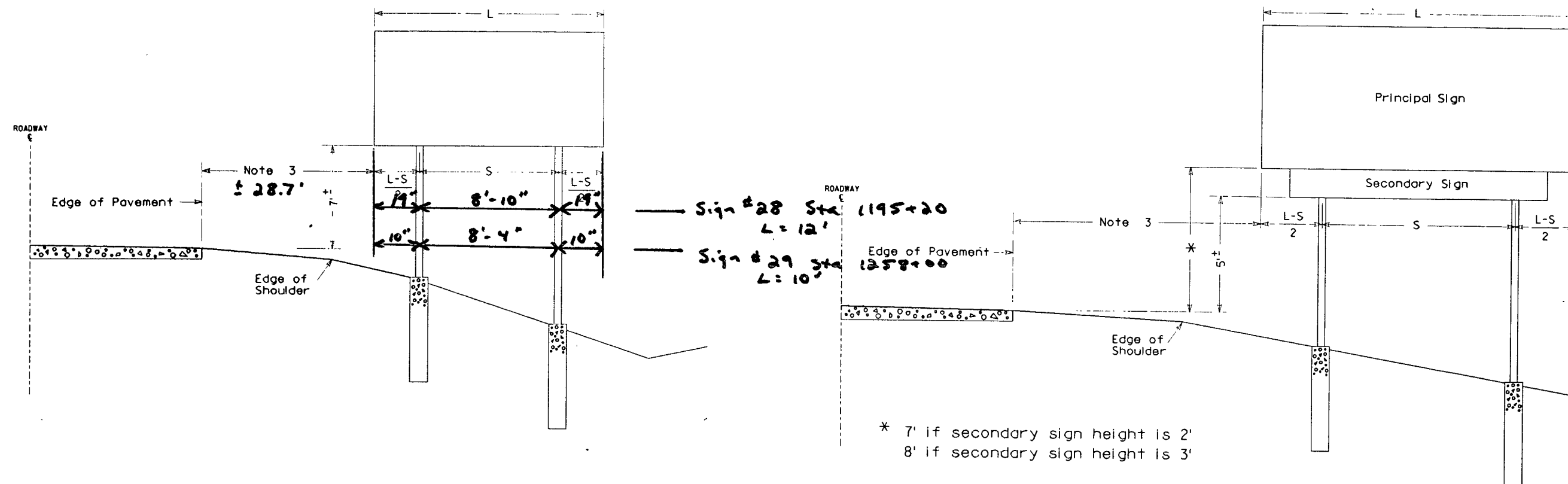
* REVERSE CROSS SLOPE

- TYPICAL SECTION**
"CC", "C" LINE
- * STA. 78"CC"+25 TO STA. 83"CC"+00 BK. AT (0.04'/')
 - * STA. 83"CC"+10 AH. TO STA. 83"CC"+92.67
 - * STA. 86"CC"+34.90 TO STA. 95"CC"+75
 - * STA. 87"CC"+68.61 TO STA. 89"CC"+07.40
 - * STA. 91"CC"+17.50 TO STA. 92"CC"+22.10
- * Note: revision typical of 78"CC"+25 - 83"CC"+50



NOTE: THE TYPICAL SECTIONS SHOW THE COMPLETE CRUSHED AGGREGATE BASE REQUIRED. ALL AREAS SHOULD HAVE ABOUT 3" OF CRUSHED AGGREGATE BASE IN PLACE, EXCEPT FOR THE FINAL 1-FOOT TO 5-FOOT AT THE SLOPE INTERCEPT.



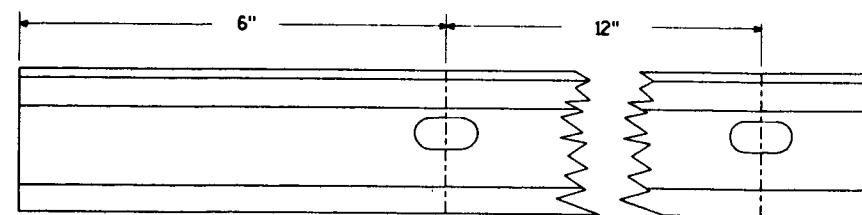
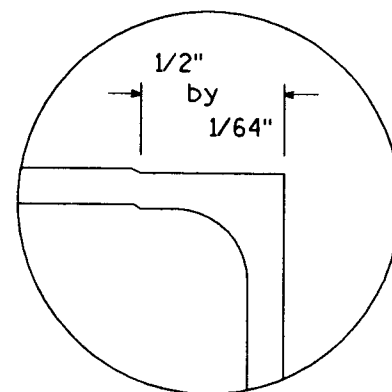
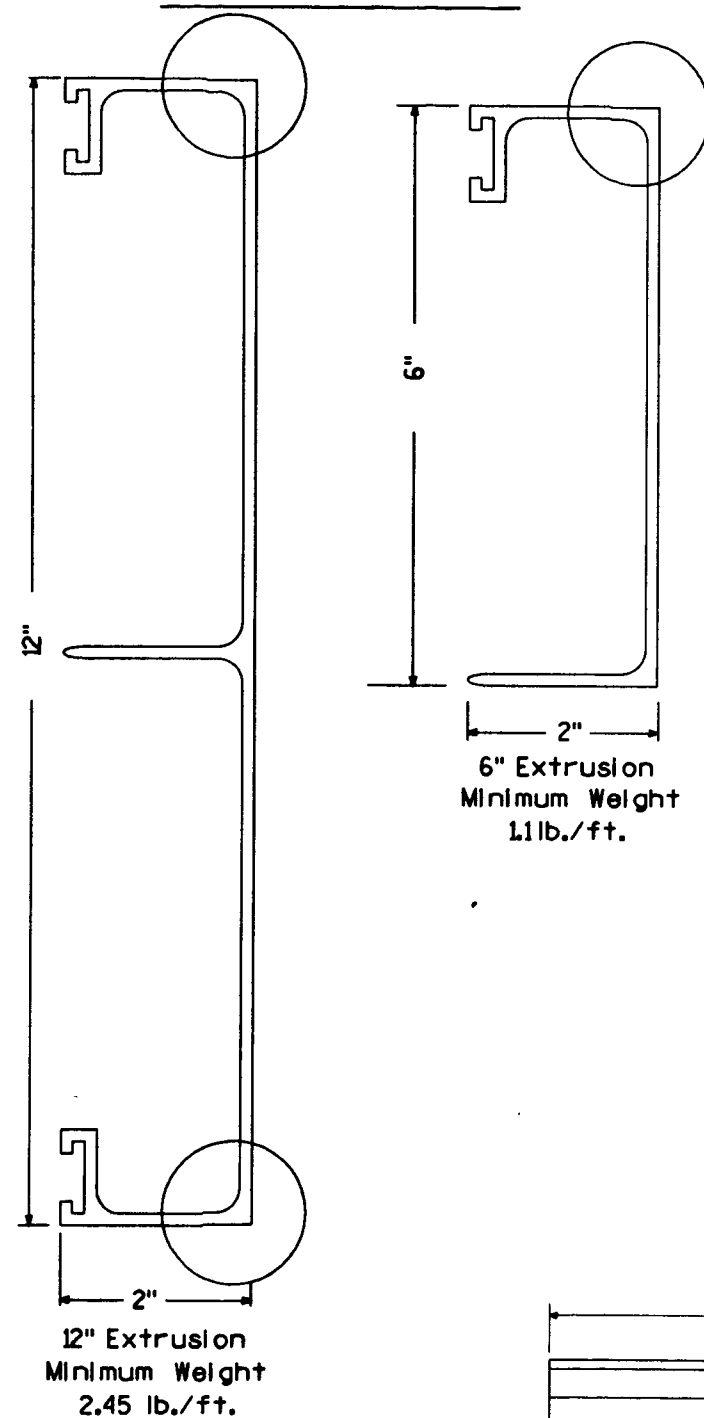


GENERAL NOTES

1. For a 2 post installation, S equals $3L/5$, but shall not be less than 9 ft.
2. For a 3 post installation, S equals $5L/7$, but shall not be less than 18 ft, and the space between any two posts shall not be less than 9 ft.
3. The sign offset distance shall be as listed in the plan.
4. The ($\pm$) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of the pavement.

DATE DRAWN 6-4-87	DATE REDRAWN _____
DATE REVISED _____	
TYPICAL INSTALLATION OF TYPE I SIGNS ON STEEL BREAKAWAY POST	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED _____	State Traffic Engineer
DATE 6-22-87	PLATE NO. A4-14

Extruded Shape



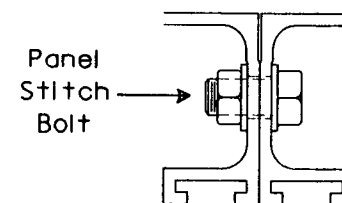
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

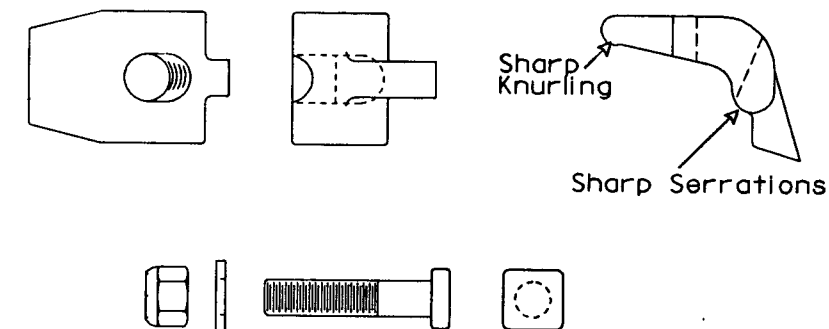
The hardware Includes:

- 3/8" - 16 X 3/4" Economy Bolt 2024-T4 alloy
- 3/8" - 16 Hex Nut, 6061-T6 alloy.
- 3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

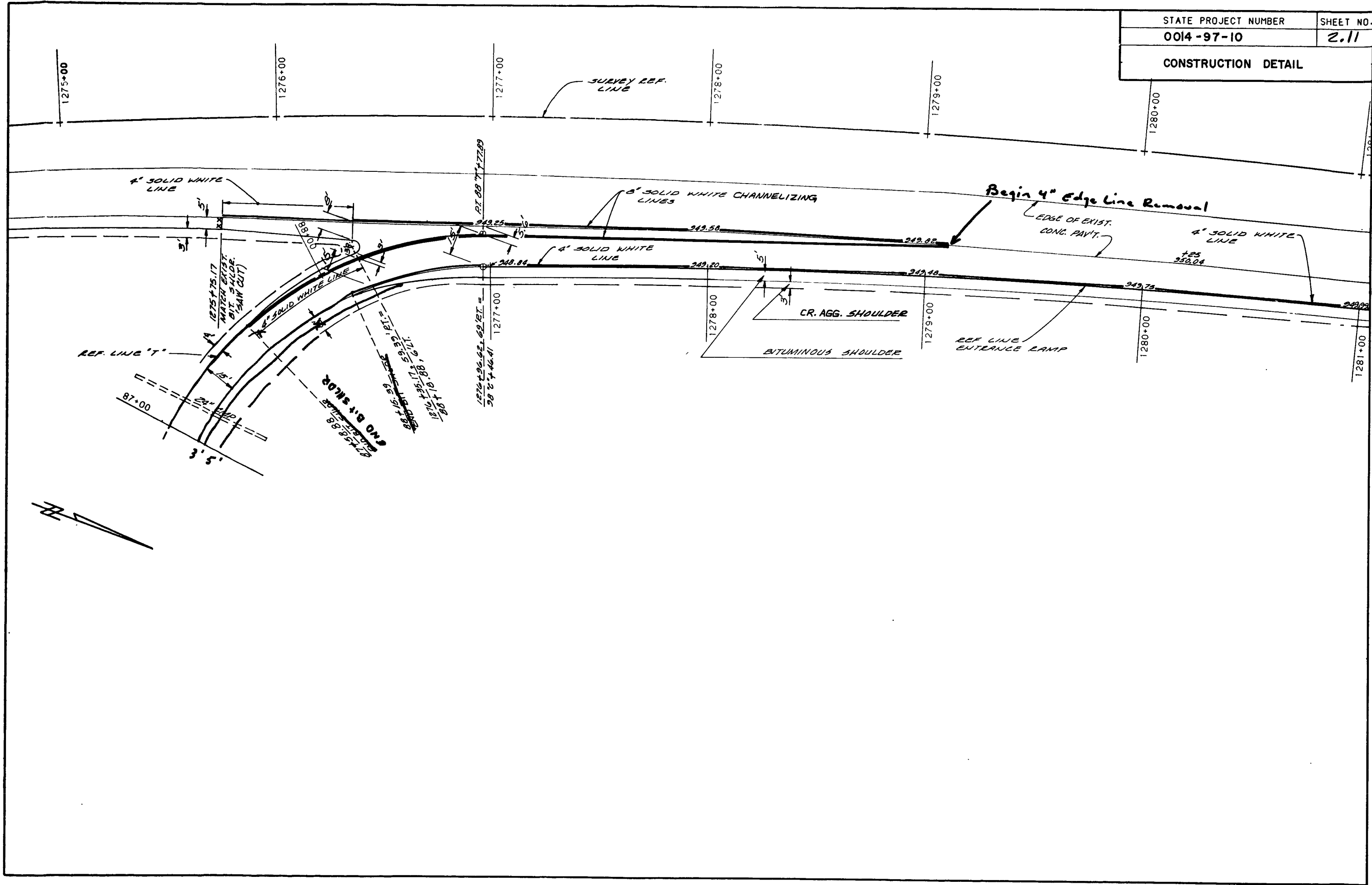
- Post Clip shall be Alum. Alloy 356-T6
- Post Clip Bolt shall be Alum. Alloy 2024-T4
- Flat washer shall be 3/8" X .091, Alclad 2024-T4 alloy.
- Stop nut shall be stainless steel.



NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a

STATE PROJECT NUMBER	SHEET NO.
0014-97-10	2.11
CONSTRUCTION DETAIL	

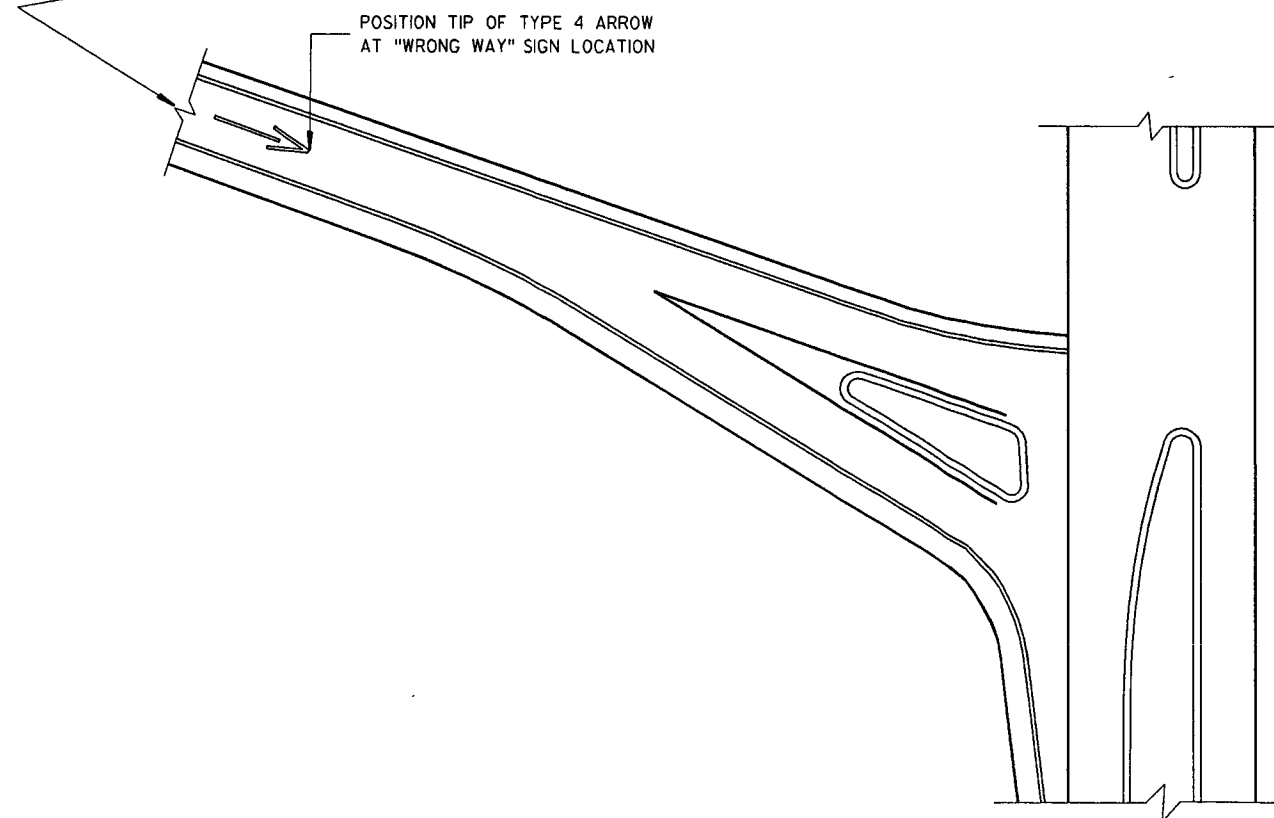
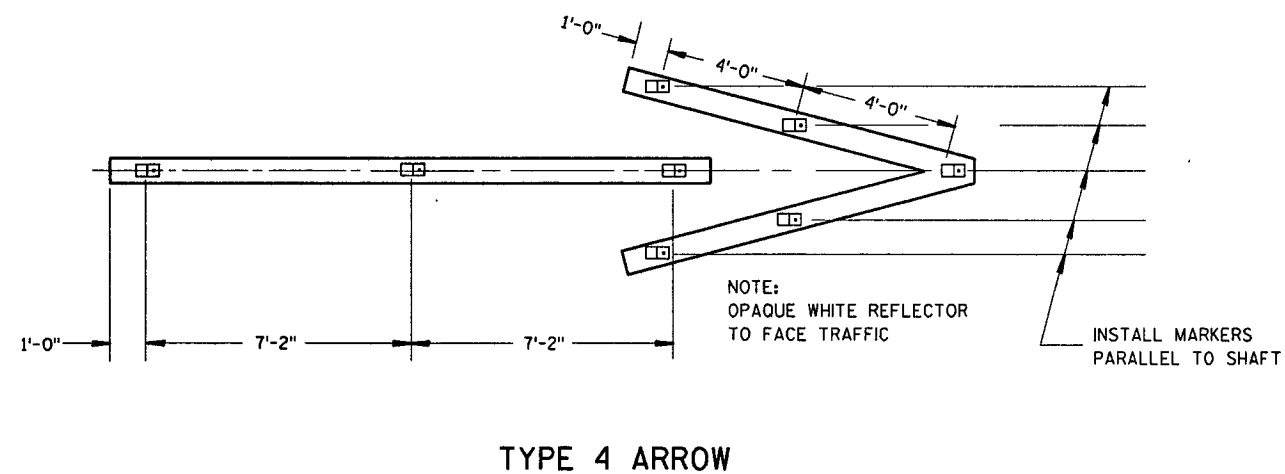
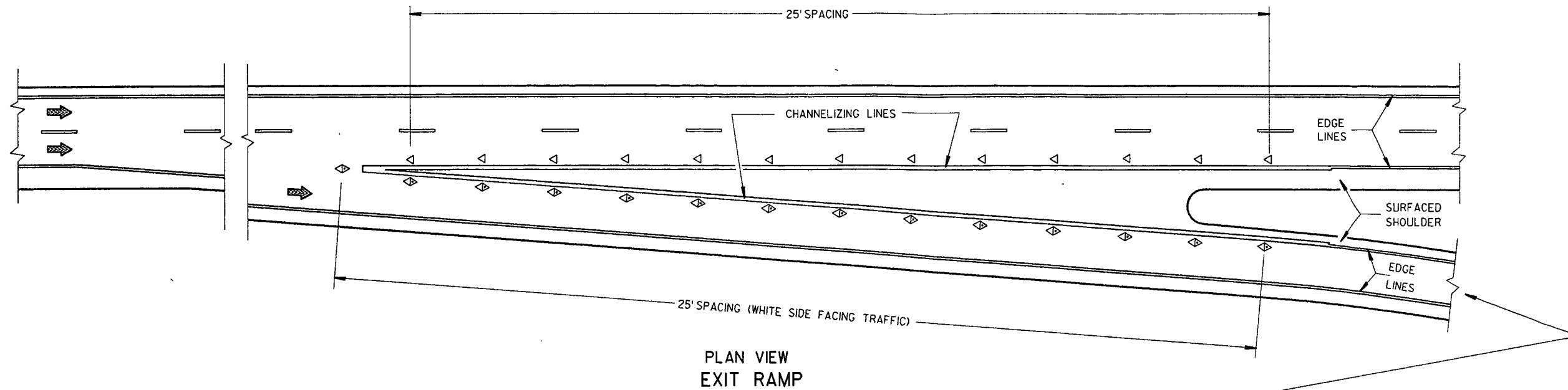


DATE 05/09/89

ESTIMATE OF QUANTITIES



ITEM	ITEM DESCRIPTION	UNIT	TOTAL	0014-97-10 QUANTITY
0402	REMOVING BITUMINOUS SURFACE	S.Y.	1,280.00	1,280.00
1301	FINISHING ROADWAY	L.S.	1.00	1.00
0404	CRUSHED AGGREGATE BASE COURSE	TON	14,150.00	14,150.00
0204	BITUMINOUS MATERIAL FOR TACK COAT	GAL.	560.00	560.00
0501	BITUMINOUS MATERIAL FOR PLANT MIXES	TON	260.00	260.00
0701	BITUMINOUS CONCRETE PAVEMENT	TON	5,140.00	5,140.00
0601	STRUCTURAL CARBON STEEL	LB.	1,100.00 0.00	1,100.00 C.C.O. #1
0133	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	L.F.	735.00	735.00
1801	MAINTENANCE AND REPAIR OF HAUL ROADS	L.S.	1.00	1.00
1910	MOBILIZATION	L.S.	1.00	1.00
3410	WOOD POSTS, 4X6-INCH X 12-FT.	EACH	18.00 7.00	18.00
3411	WOOD POSTS, 4X6-INCH X 14-FT.	EACH	8.00 14.00	8.00
3412	WOOD POSTS, 4X6-INCH X 16-FT.	EACH	4.00 7.00	4.00
3502	HIGH-STRENGTH STRUCTURAL STEEL, SIGN SUPPORTS	LB.	136.00 100.00	1



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

MARKER REFLECTORS INSTALLED IN TYPE 4 ARROWS BEFORE APPLICATION OF THE ARROW MARKING MATERIAL SHALL BE MASKED TO PREVENT COATING.

LEGEND

- ◁ ONE WAY REFLECTOR (WHITE)
- ◊ TWO WAY REFLECTOR (WHITE/RED)
- ◻ TWO WAY REFLECTOR (OPAQUE WHITE/RED)
- ➡ DIRECTION OF TRAFFIC

RAISED PAVEMENT MARKERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

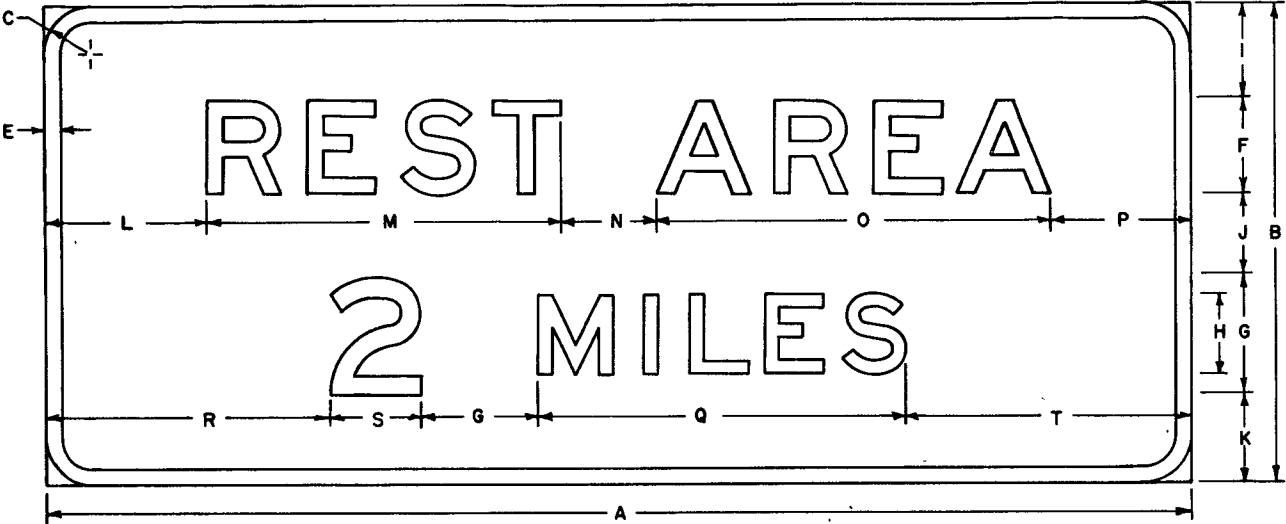
12-16-86
DATE

FHWA

STATE TRAFFIC ENGINEER FOR HWYS

NOTES

- 1. Sign is Type I - Reflective - reference
WIS D.O.T. Standard Specification for
ROAD and BRIDGE CONSTRUCTION latest edition.
- 2. Color:
Background - Blue
Message - White
- 3. Message Series - "E"
- 4. Substitute appropriate numeral and adjust
spacing to achieve proper balance.
- 5. This drawing may be scaled for freeway size only.



E5-51



SIZE	CODE SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Bld Area Sq Ft
Minimum	1																											
Standard	2																											
Oversize	3																											
Exp way	4	120	54	6		1	10	12	8	12	9	11	16 ⁵ / ₈	36 ³ / ₈	10	41 ¹ / ₂	15 ¹ / ₂	37 ¹ / ₄	31	9 ¹ / ₈	30 ⁵ / ₈	37 ³ / ₄	4	29 ¹ / ₄	37		45.0	
Freeway	5	144	60	6		2	12	15	10	12	10	11	19 ³ / ₄	44 ³ / ₄	12	49 ¹ / ₂	18	46 ¹ / ₄	36	11	35 ³ / ₄	44						

